

**Notice of References Cited**

Application/Control No.

09/160,454

Applicant(s)/Patent Under

Reexamination

BAWENDI ET AL.

Examiner

Art Unit

Minh-Quan K. Pham

1641

Page 1 of 3

**U.S. PATENT DOCUMENTS**

*		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	DOCUMENT SOURCE **	
							APS	OTHER
<input type="checkbox"/>	A	5990479	Nov. 1999	Weiss et al.	--	--	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	B	5985353	Nov. 1999	Lawton et al.	--	--	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	C	5751018	May. 1998	Alivisatos et al.	--	--	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	D	5505928	Apr. 1996	Alivisatos et al.	--	--	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	E						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	F						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	G						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	H						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	I						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	J						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	K						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	L						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	M						<input type="checkbox"/>	<input type="checkbox"/>

**FOREIGN PATENT DOCUMENTS**

*		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS	DOCUMENT SOURCE **	
								APS	OTHER
<input type="checkbox"/>	N							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	O							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	P							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Q							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	R							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	S							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	T							<input type="checkbox"/>	<input type="checkbox"/>

**NON-PATENT DOCUMENTS**

*		DOCUMENT (Including Author, Title Date, Source, and Pertinent Pages)	DOCUMENT SOURCE **	
			APS	OTHER
<input type="checkbox"/>	U	Matsumoto et al. (1996). Preparation of monodisperse CdS Nanocrystal by size selective Photocorrosion. J. Phys. Chem. 100(32):13781-13785.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	V	Dabbousi et al. (1997). (CdSe)ZnS core-shell quantum dots: synthesis and characterization of a size series of highly luminescent nanocrystal. J. Phys. Chem. B. 101:9463-9475.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	W	Coffer et al. (1992). Chracterization of quantum-confined CdS nanocrystallites stabilized by deoxyribonucleic acid (DNA). Nanotechnology. 3:69-76	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	X	Mahtab et al. (1995). Protein-sized quantum dot luminescence can distiguish between "straight", "bent", and "kinked" oligonucleotides. J. Am. Chem. Soc. 117:9099-9100.	<input type="checkbox"/>	<input type="checkbox"/>

\*A copy of this reference is not being furnished with this Office action. (See Manual of Patent Examining Procedure, Section 707.05(a).)

\*\*APS encompasses any electronic search i.e. text, image, and Commercial Databases.

U.S. Patent and Trademark Office

PTO-892 (Rev. 03-98)

**8**  
**Notice of References Cited**

Application/Control No.

09/160,454

Applicant(s)/Patent Under

Reexamination

BAWENDI ET AL.

Examiner

Minh-Quan K. Pham

Art Unit

1641

Page 2 of 3

**U.S. PATENT DOCUMENTS**

*		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	DOCUMENT SOURCE **	
							APS	OTHER
<input type="checkbox"/>	A						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	B						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	C						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	D						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	E						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	F						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	G						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	H						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	I						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	J						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	K						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	L						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	M						<input type="checkbox"/>	<input type="checkbox"/>

**FOREIGN PATENT DOCUMENTS**

*		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS	DOCUMENT SOURCE **	
								APS	OTHER
<input type="checkbox"/>	N							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	O							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	P							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Q							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	R							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	S							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	T							<input type="checkbox"/>	<input type="checkbox"/>

**NON-PATENT DOCUMENTS**

*		DOCUMENT (Including Author, Title Date, Source, and Pertinent Pages)	DOCUMENT SOURCE **	
			APS	OTHER
<input type="checkbox"/>	U	Mahtab et al. (1996). Preferential adsorption of a "kinked" DNA to a neutral curved surface: comparisons to and implications for nonspecific DNA-protein interactions. J. Am. Chem. Soc. 118:7028-7032.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	V	Murphy et al. (1997). Quantum dots as inorganic DNA-binding proteins. Mat. Res. Soc. Symp. 452:597-600.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	W	Lawless et al. (1995). Bifunctional capping of CdS nanoparticles and bridging to TiO <sub>2</sub> . J. Phys. Chem. 99:10329-10335.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	X	Alivisatos (1996). Perspective on the physical chemistry of semiconductor nanocrystals. J. Phys. Chem. 100:13226-13239.	<input type="checkbox"/>	<input type="checkbox"/>

\*A copy of this reference is not being furnished with this Office action. (See Manual of Patent Examining Procedure, Section 707.05(a).)

\*\*APS encompasses any electronic search i.e. text, image, and Commercial Databases.

U.S. Patent and Trademark Office

PTO-892 (Rev. 03-98)

Notice of References Cited

Part of Paper No.

**Notice of References Cited**

Application/Control No.

09/160,454

Applicant(s)/Patent Under

Reexamination

BAWENDI ET AL.

Examiner

Art Unit

Minh-Quan K. Pham

1641

Page 3 of 3

**U.S. PATENT DOCUMENTS**

*		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	DOCUMENT SOURCE **	
							APS	OTHER
<input type="checkbox"/>	A						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	B						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	C						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	D						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	E						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	F						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	G						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	H						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	I						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	J						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	K						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	L						<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	M						<input type="checkbox"/>	<input type="checkbox"/>

**FOREIGN PATENT DOCUMENTS**

*		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS	DOCUMENT SOURCE **	
								APS	OTHER
<input type="checkbox"/>	N							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	O							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	P							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Q							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	R							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	S							<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	T							<input type="checkbox"/>	<input type="checkbox"/>

**NON-PATENT DOCUMENTS**

*		DOCUMENT (Including Author, Title Date, Source, and Pertinent Pages)	DOCUMENT SOURCE **	
			APS	OTHER
<input type="checkbox"/>	U	Nirmal et al. (1996). Fluorescence intermittency in single cadmium selenide nanocrystals. Nature. 383:802-804.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	V	Bawendi et al. (1992). Luminescence properties of CdSe quantum crystallites: resonance between interior and surface localized states. J. Chem. Phys. 96(2):946-954.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	W	Correa-Duarte et al. (1998). Stabilization of CdS semiconductor nanoparticles against photodegradation by silica coating procedure. Chem. Phys. Lett. 286:497-501.	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	X		<input type="checkbox"/>	<input type="checkbox"/>

\*A copy of this reference is not being furnished with this Office action. (See Manual of Patent Examining Procedure, Section 707.05(a).)

\*\*APS encompasses any electronic search i.e. text, image, and Commercial Databases.

U.S. Patent and Trademark Office

PTO-892 (Rev. 03-98)

Notice of References Cited

Part of Paper No.